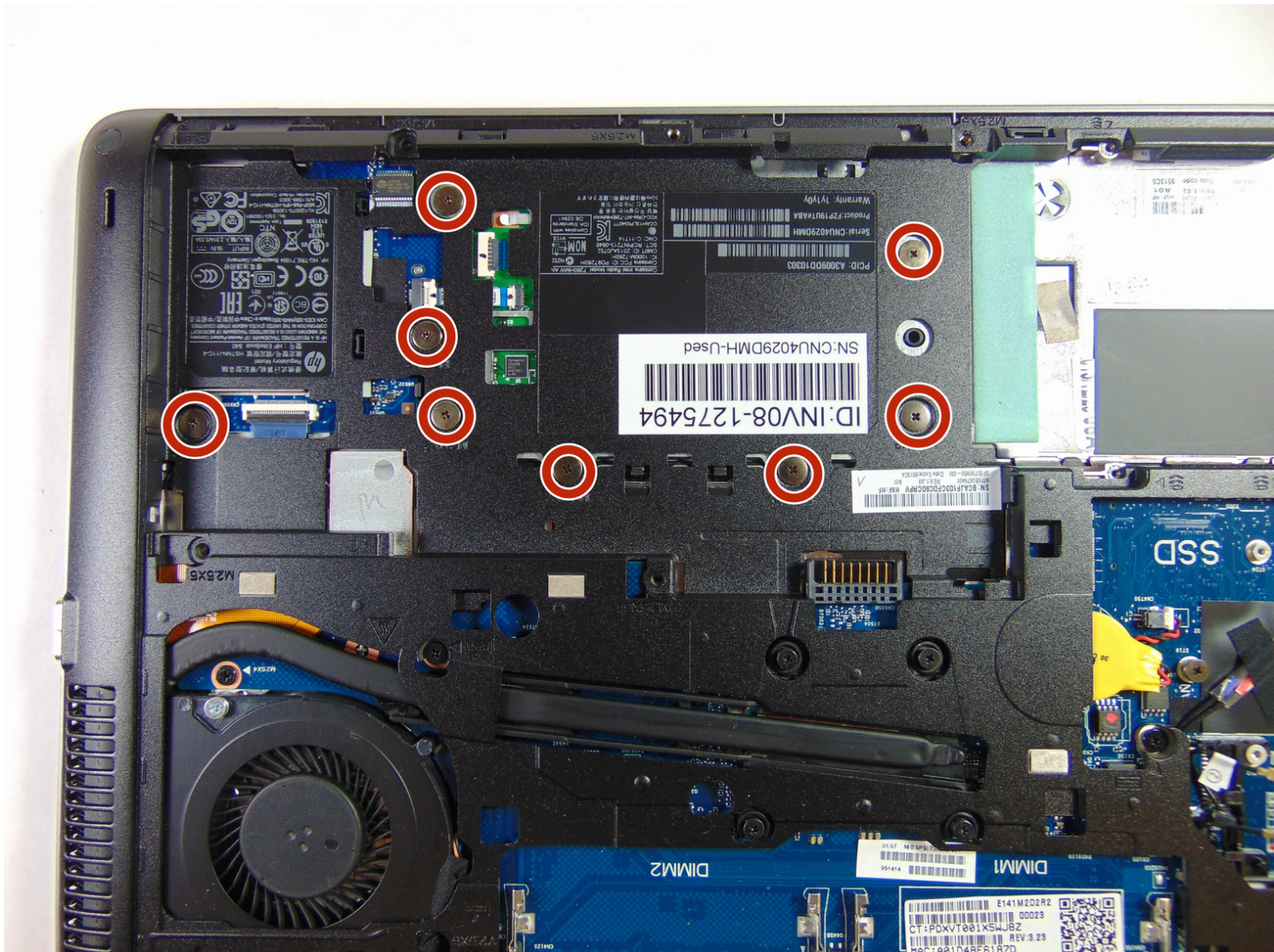




# HP Elitebook 840 G1 Heatsink and Fan Replacement

Laptop cooking your lap? This guide will walk you through replacing your fan.

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## INTRODUCTION

If your PC is overheating, you may simply have to dust and get rid of lint off the devices fan and heatsink or replacing the fan and heatsink on your HP EliteBook 840 G1

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### TOOLS:

- [T8 Torx Security Bit Screwdriver](#) (1)
  - [Phillips #1 Screwdriver](#) (1)
  - [iFixit Opening Tools](#) (1)
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## Step 1 — Battery



 Working on your device while it is turned on may result in electric shock. Make sure to shut down and unplug your device before you begin.

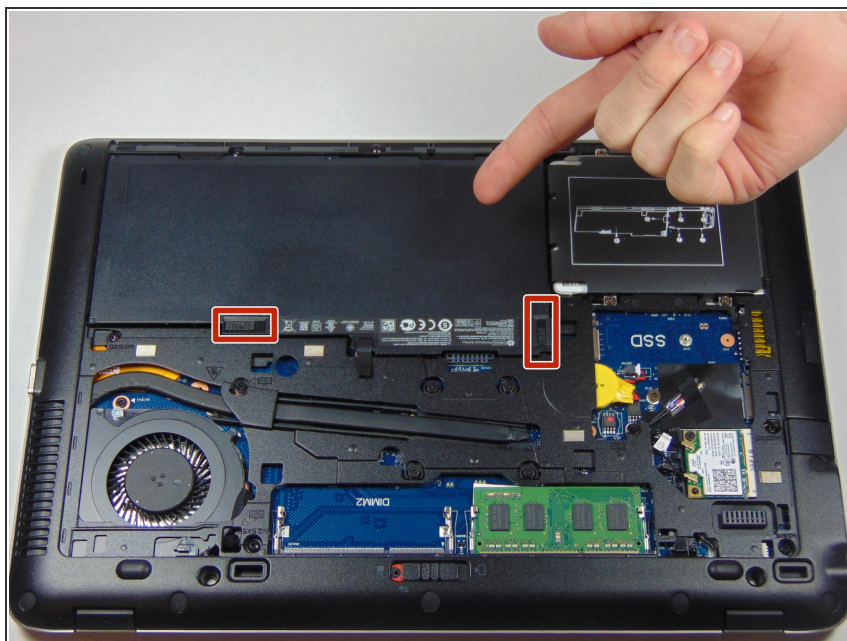
- Flip device over so that the bottom panel is facing upwards.

## Step 2



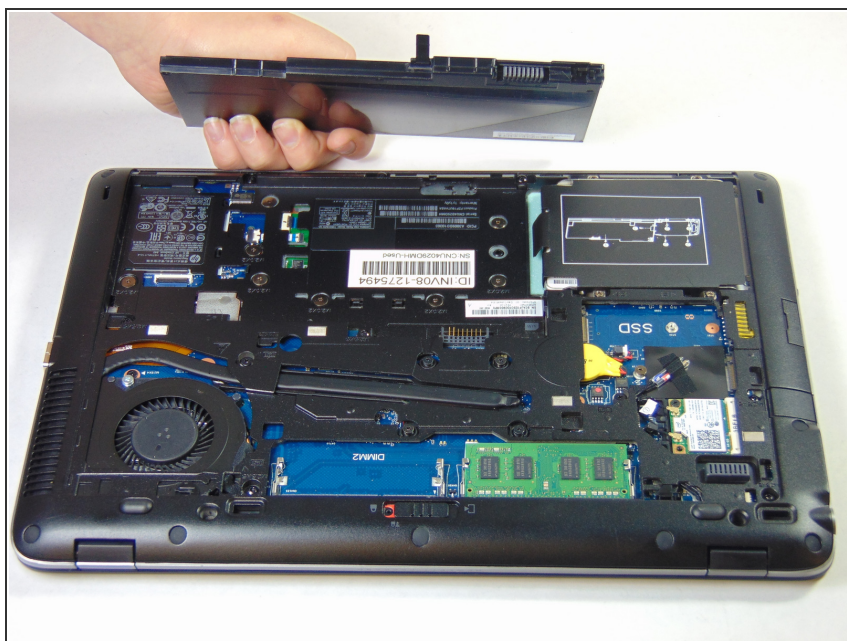
- Slide the latch, to the left.
- Slide the cover upwards to remove it.

## Step 3



- Once the cover is removed you will be able to see the battery and the two latches that hold it in place.
- The two latches should be pulled back, one of which is spring loaded and must be held in place in order to remove the battery.
- Lift up and remove the battery.

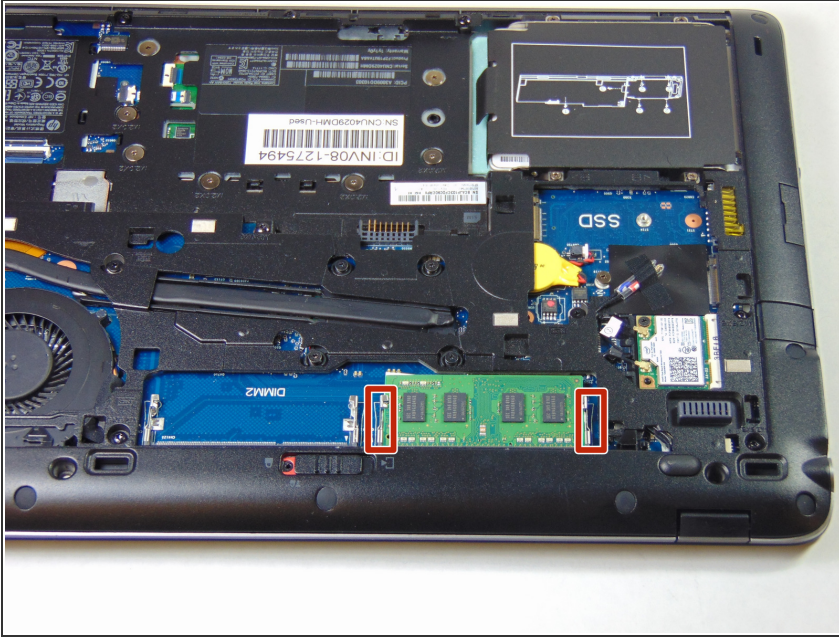
## Step 4



- Battery should easily be lifted up and out.



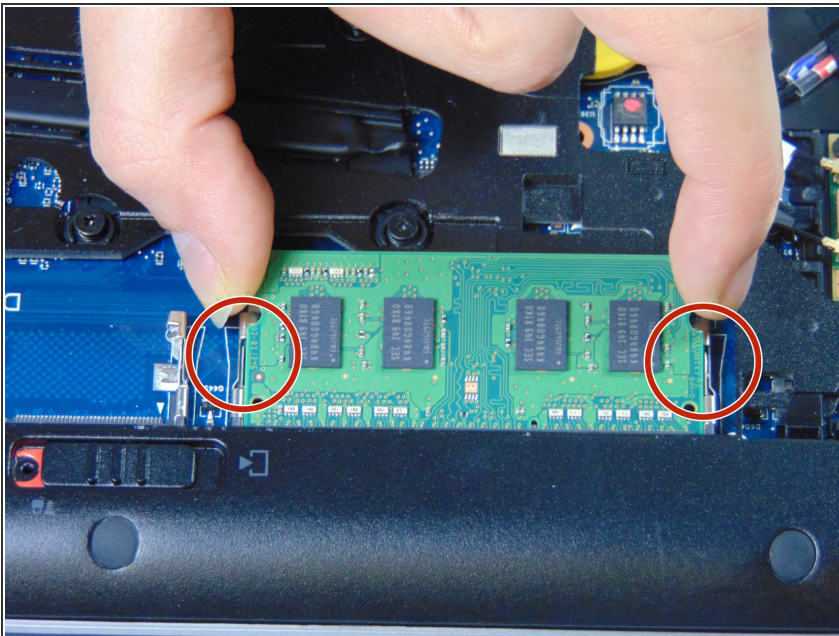
## Step 5 — RAM



- Identify the RAM and the pull tabs that will be used in the next step.

⚠ Always use an anti-static wrist strap when working on a computer.

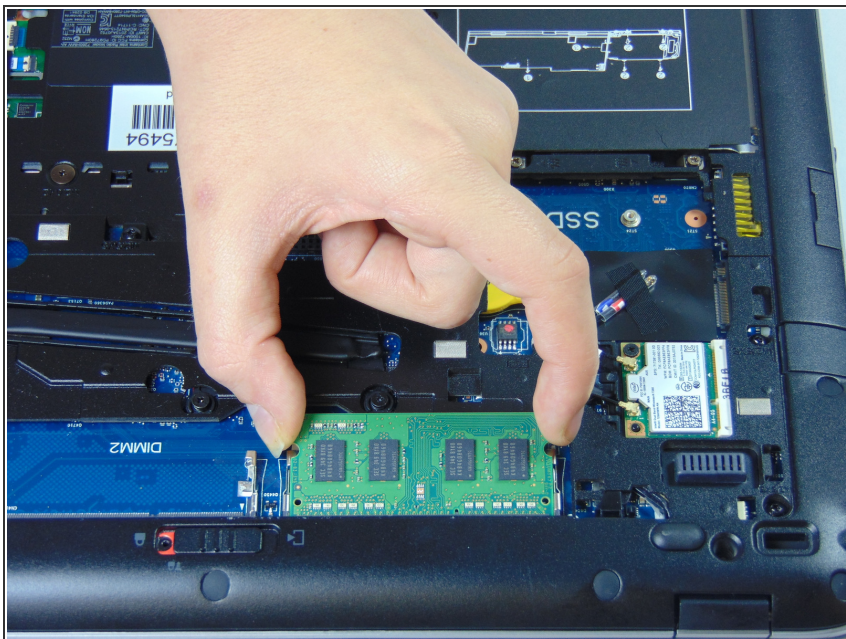
## Step 6



- Pull back the two tabs on either side of the RAM this will allow the RAM to be removed.

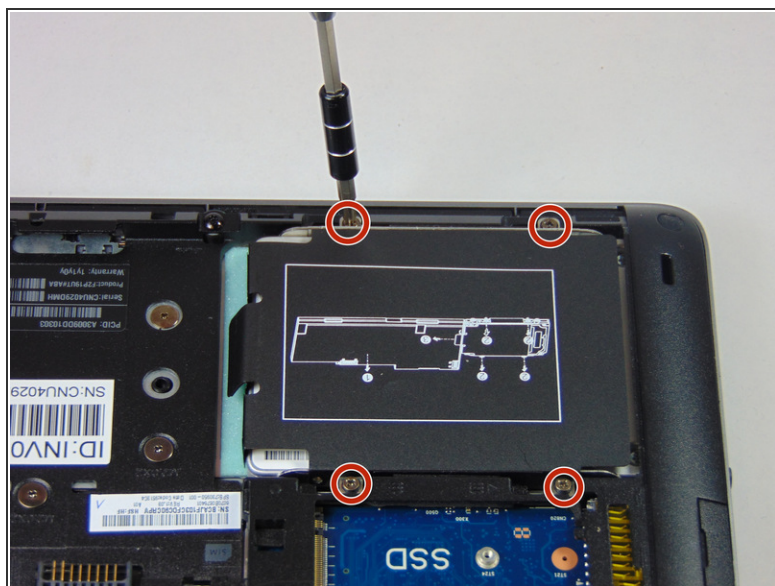
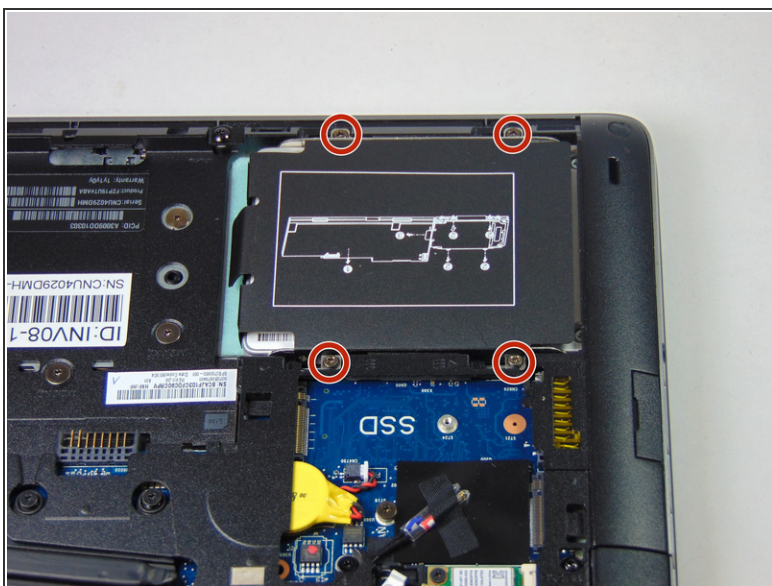
⚠ When handling a memory module, use care to prevent touching the memory chips on the board. Touching the memory chips could damage or destroy the memory.

## Step 7



- Pull the RAM stick gently out and up once the tabs have been pulled to the side.

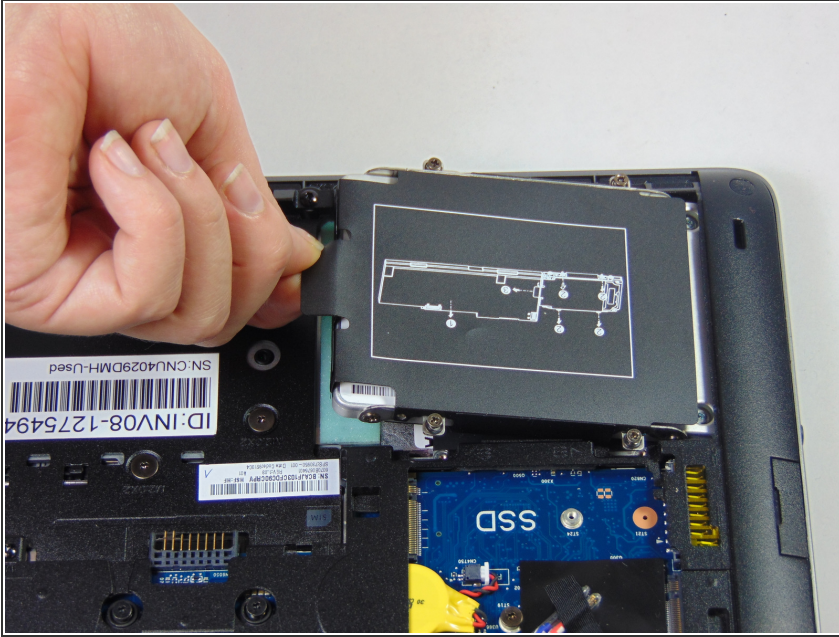
## Step 8 — Hard Drive



- Loosen the four Phillips screws securing the hard drive.
  - ⓘ These screws will stay captive to the plastic hard drive bracket.

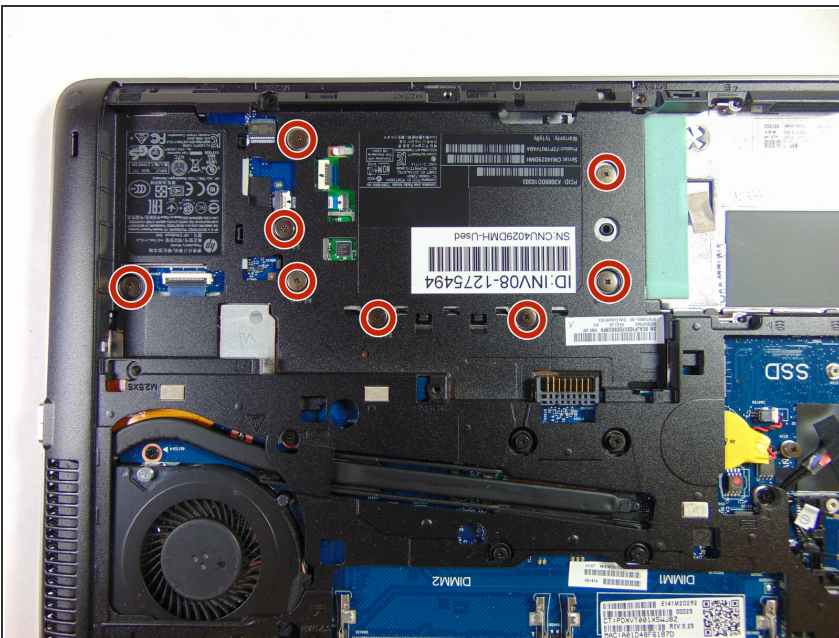


## Step 9



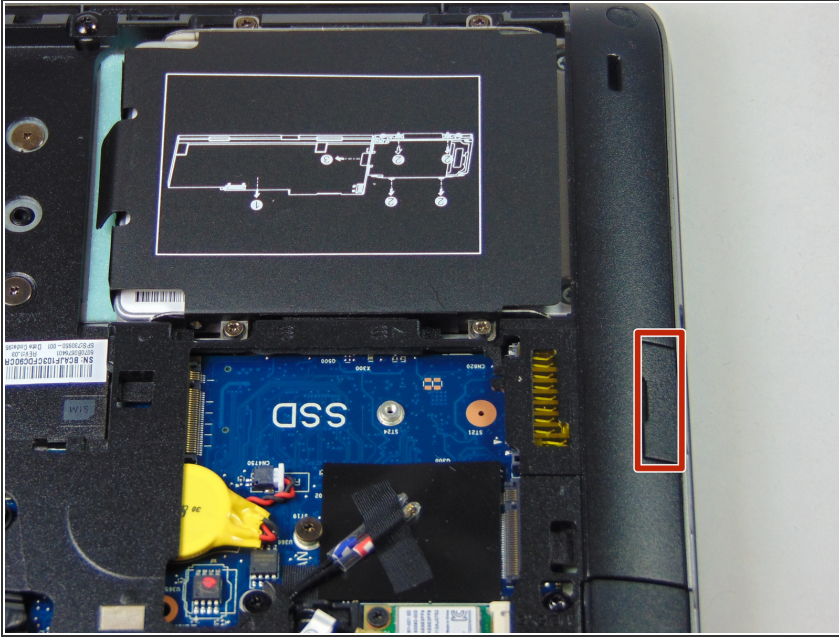
- Grab the pull tab on the hard drives plastic casing and pull it out and to the side.
- ⚠ Make sure all screws have been properly loosened and are no longer connected at the bottom before doing this step.
- Remove the 2.5" hard drive from the plastic bracket.

## Step 10 — Heatsink and Fan



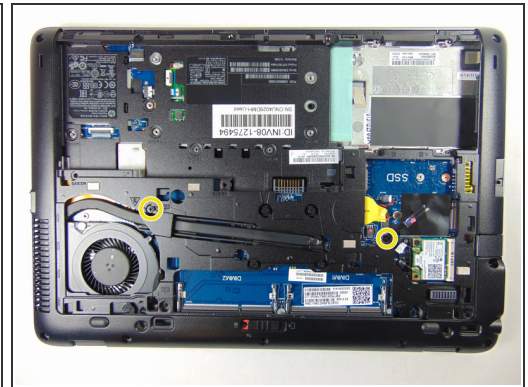
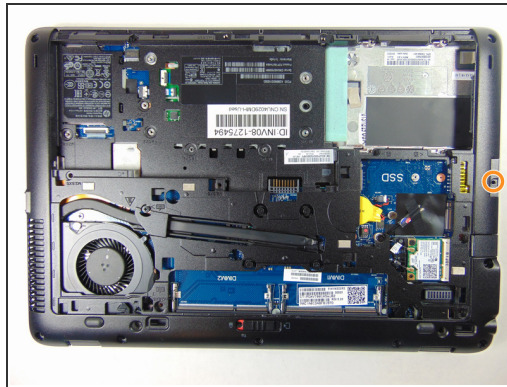
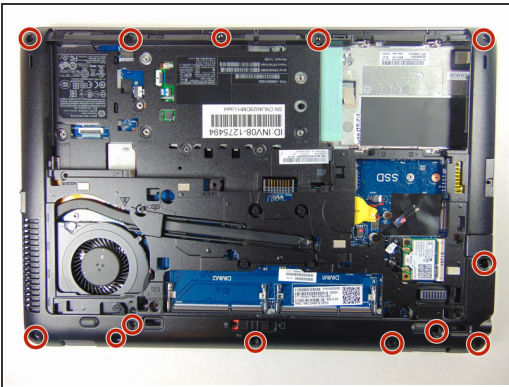
- In order to take out the fan and heatsink the plastic cover must first be taken off.
- Remove the eight 2 mm Phillips #1 screws.

## Step 11



- Remove SD card by sliding it out.

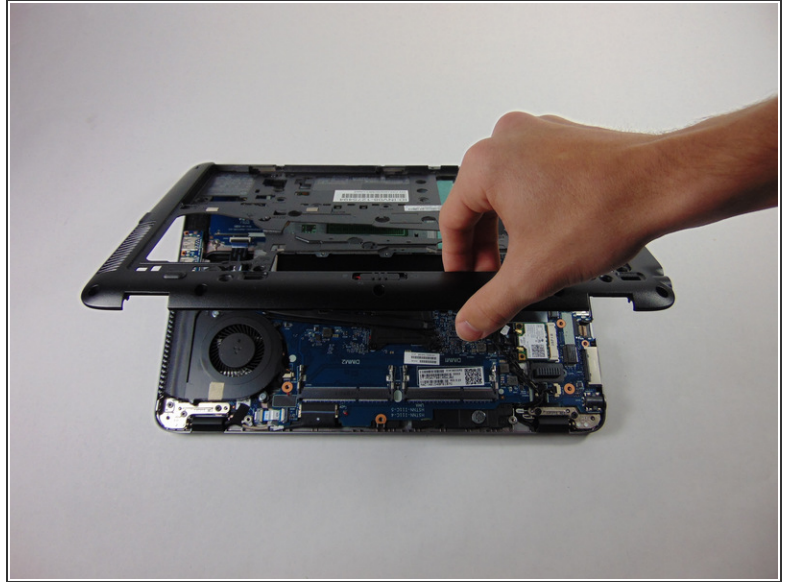
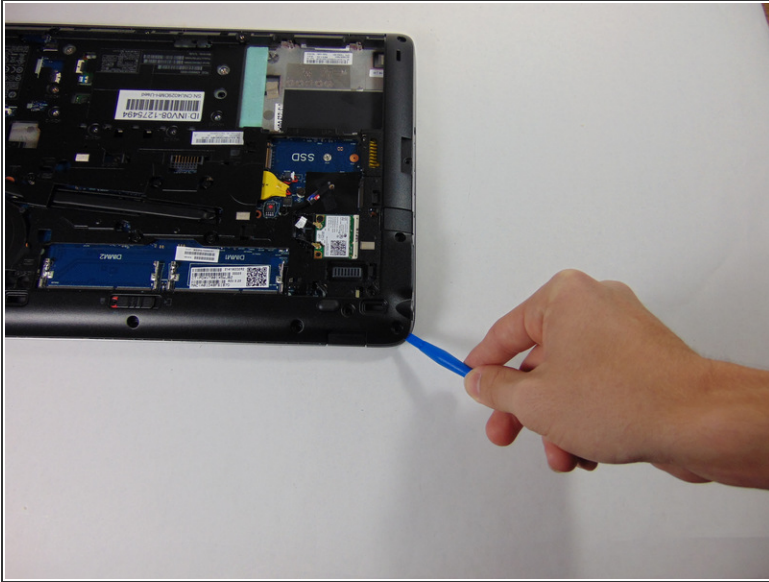
## Step 12



- Remove the thirteen 6 mm Torx T8 screws.
- ⓘ Some screws have plastic covers over them that need to be pried out before the screws can be removed.
- Remove the single 7 mm Phillips #1 screw.
- Loosen the two Phillips #1 screws. These screws will remain captive to the device.



## Step 13



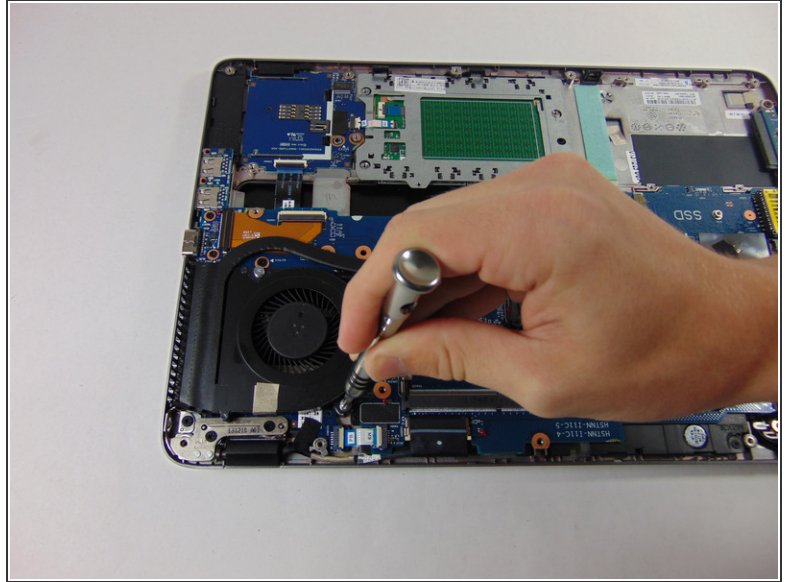
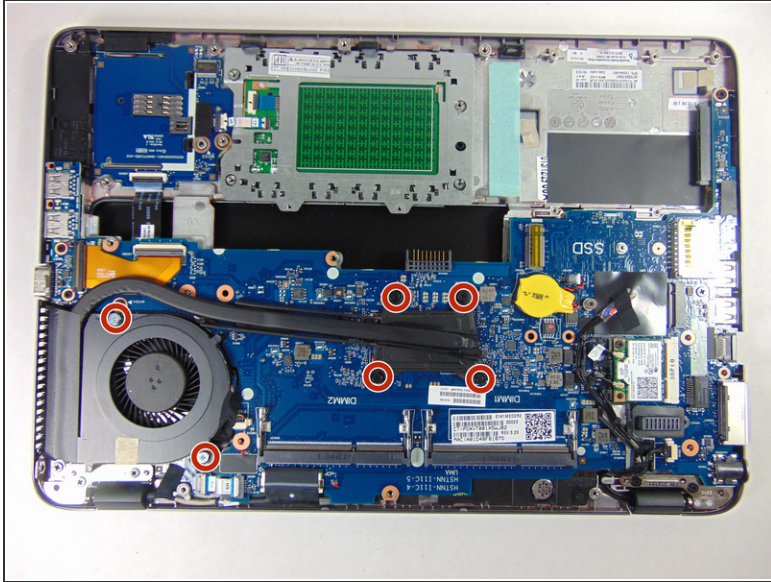
- Using the plastic opening tools, remove the plastic cover by beginning at one of the corners and prying it up.

## Step 14



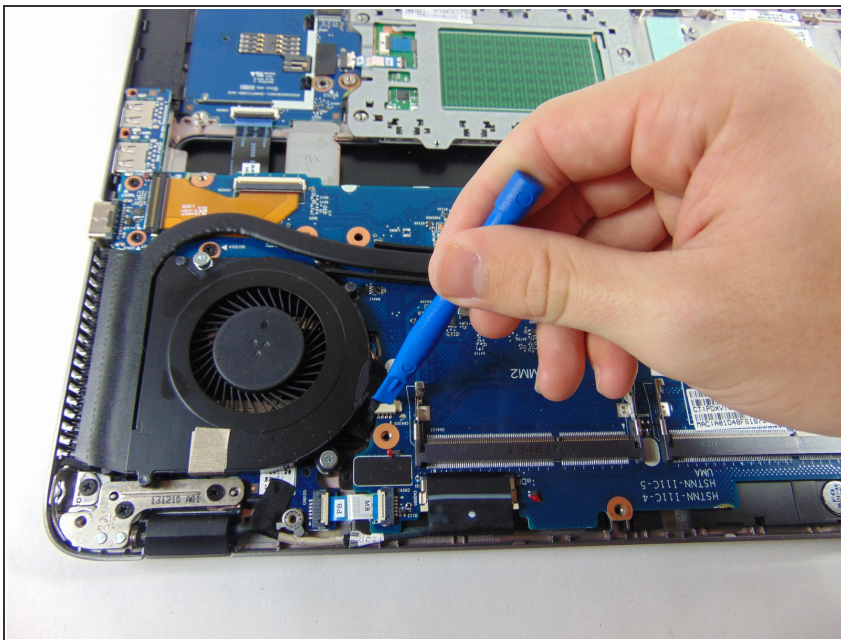
- Use the plastic opening tools to remove the keyboard, starting at one of the top corners.
- Once the keyboard is removed, detach the ribbons connecting the keyboard to the laptop by prying the small tab and sliding the ribbon out.

## Step 15



- Loosen the six Phillips #1 screws. These will remain captive to the heatsink.

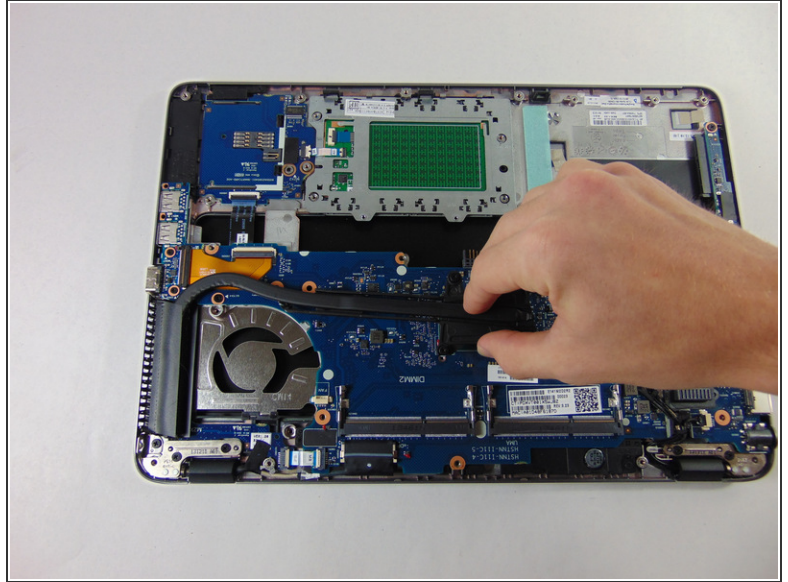
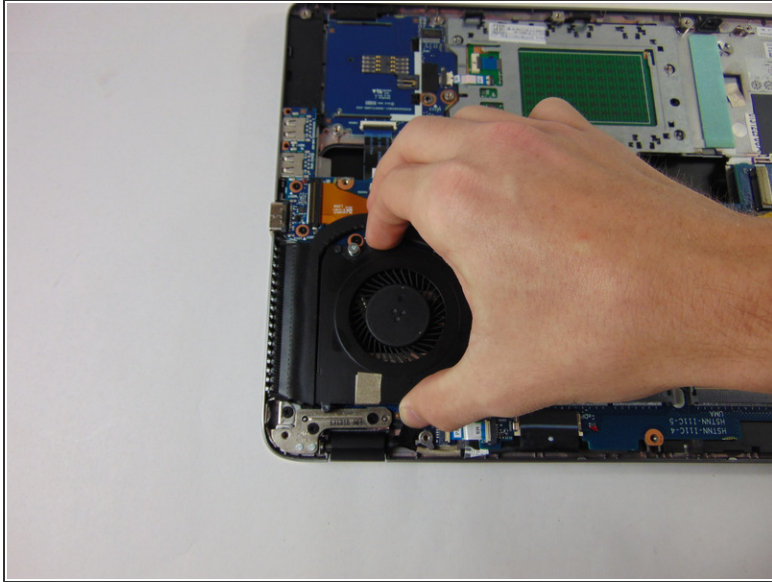
## Step 16



- Use the plastic opening tools to remove the tape covering the wires connected from the fan to the motherboard.
- Disconnect the fan by sliding the wire out.



## Step 17



- Remove the fan by lifting it up and sliding it out.
- Remove the heat sink by lifting it up and sliding it out.

To reassemble your device, follow these instructions in reverse order.

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